

Healthy Homes University I Grant Summary

Healthy Homes Demonstration Grantee: Michigan Department of Community Health
Lead and Healthy Homes Section
P.O. Box 30195
Lansing, Michigan 48909
517.335.9390
866.691.LEAD
www.michigan.gov/leadsafe

Project Contacts: Courtney Wisinski, Project Coordinator
Linda Stewart, Assistant Project Coordinator
Wesley Priem, Section Manager

Name of Project: Healthy Homes University

Duration of Project: November 1, 2005 - October 30, 2008 (36 months)

HUD Award: \$989,717

Leveraged Resources: \$797,350

Key Partners: City of Lansing-Department of Planning and Neighborhood Development
City of Lansing- Development & Code Enforcement Offices
Mid Michigan Asthma Coalition
American Lung Association of Michigan
Michigan State Extension Services, Ingham County
MDCH-Chronic Disease Section
MDCH-Injury and Violence Prevention Section
Lansing Area Safety Council
Catholic Social Services (Refugee Services)
Ingham County Health Department
Meijer

Target Area and Why: High Priority: North Half of City of Lansing
Lower Priority: Ingham County

Analyzed housing (age, rental), health (hospitalization and death rates), income (very low income), and race (African American, Hispanic) data.

Participant Criteria: Household units where low to moderate income children under 18 years of age with asthma or allergies reside, with priority given to households with asthmatic children less than 6 years of age and households reside in high priority target areas.

Income Eligibility Limits for Ingham County Households:

		HOUSEHOLD SIZE							
COUNTY	INCOME STATUS	1	2	3	4	5	6	7	8
Ingham	Low-income	\$0-22,700	\$0-25,950	\$0-29,200	\$0-32,450	\$0-35,050	\$0-37,650	\$0-40,250	\$0-42,850
	Moderate-income	22,701-36,350	25,951-41,500	29,201-46,700	32,451-51,900	35,051-56,050	37,651-60,200	40,251-64,350	42,851-68,500

Technical Approach:

Trimester	Curriculum	Estimated Timeline for Completion
1 st Trimester	<p>Completion of application to the HHU Program.</p> <p>Identification of health, environmental and safety hazards based on an interior/exterior visual assessment.</p> <p>Completion of baseline questionnaire.</p> <p>Education of parent and/or child on basic methods to reduce asthma and other respiratory triggers and unintentional injuries.</p> <p>Basic product and service Installation.</p> <p>Qualified households will be referred to a lead hazard control programs that serve Ingham County.</p> <p>Qualified households will be referred to the City of Lansing's Housing Rehabilitation Program.</p> <p>Qualified households will be referred for custom intervention products or services.</p>	<p>Completed 60 days after application is accepted and unit enrolled in the Program.</p>
2 nd Trimester	<p>Custom product and service Installation to qualified units.</p> <p>Follow-up home visit/telephone calls to check on quality, status and usage of Basic product installation (30 days).</p> <p>Provide additional education to parent and/or child (including distribution of materials and supplies).</p> <p>Assess changes in behaviors and attitudes of the family</p> <p>Follow up home visit to obtain results on intervention effectiveness and to measure the Program's impact and benefits (90 days).</p>	<p>Completed one and three months after the Basic/Custom installation.</p>
3 rd Trimester	<p>Follow-up visit to check on quality, status and usage of Basic/Custom product installation.</p> <p>Additional education of parent and/or child.</p> <p>Asses changes in behaviors and attitudes of the family.</p> <p>Obtain additional information on intervention effectiveness to measure the Program's impact and benefits.</p>	<p>Completed six months after the Basic/Custom installation.</p>
Graduation	<p>HHU Diploma</p> <p>Graduation Party</p>	<p>On completion of 3rd Semester home visit.</p>

Housing Treatments (Intervention Products and Services):

Basic Treatment (approx. \$415/unit)	Custom Treatment (approx. \$2000.00 to \$4000.00/unit)
Electrical outlet safety plugs Carbon monoxide and smoke detectors HEPA vacuum Cabinet safety locks Skid proof rug pads/rug gripper tape Skid proof bathroom mats Fire extinguisher Gun trigger locks Mercury-free thermometers Trash can with secure cover/trash bags Various sizes of food containers with securing lids Smoking cessation kit Nightlights Poison Control Stickers Fans Bleach/non-scented "green" cleaning supplies Pillow and mattress covers Integrated Pest Management gels and baits Foam crack sealant Caulk Mildew proof shower curtain Low allergen furnace filters Child safety gate Mini blind cord wind-ups Commercial door mats Flashlights Step stool Household hazardous waste removal Batteries	Pillows (hypoallergenic) Mattress/box springs/bed frames HEPA filter unit Window air conditioning unit for asthma child's sleeping area HVAC duct cleaning (in extreme cases) Moisture control Plumbing repairs Carpet removal Floor Replacement or Floor Refinishing (if appropriate) Minor roof repair Rodent intrusion prevention Bush Removal/Landscaping Child Outdoor Play Area Improvements for Injury Prevention Install bathroom vents Pest/Rodent Extermination House Cleaning Services Furniture slipcovers Garbage removal Dead Bolt/Entry Doors <i>Custom Intervention product installation will include one or more of these products and/or services and is based on the Project Coordinator's review of the visual assessment and the severity of asthma symptoms</i>

Desired Outcomes:

- Knowledge of asthma and allergy triggers and trigger reduction/ avoidance measures.
- Attitude regarding ability and barriers to trigger reduction/avoidance
- Behaviors for trigger reduction/avoidance
- Frequency of respiratory illness symptoms and days of reduced activity due to symptoms
- Frequency of acute asthma care events, including unscheduled doctor/clinic visits, urgent care, ER and hospitalizations

Methods for Capturing Outcomes:

- Surveys with households at Intervention, and 1, 3, and 6-months post-intervention.
- Survey co-designed by an Asthma Epidemiologist.

Current Benchmarks:

- 220 Basic Intervention completed as of 9/30/07.
- Benchmarks set at 210 homes by 9/30/07.
- Average cost per Basic Intervention is \$380.
- 175 homes were approved for Custom Intervention as of 9/30/07.
- Benchmarks set at 40 homes total for program.
- Average cost of Custom Intervention is \$980.